

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

ORIGINAL

# FIELD NOTES

OF

THE DEPENDENT RESURVEY OF

A PORTION OF

THE SUBDIVISIONAL LINES

AND THE

SUBDIVISION OF SECTIONS 22 AND 27

IN

TOWNSHIP 43 SOUTH, RANGE 16 WEST

OF THE SALT LAKE MERIDIAN  
IN THE STATE OF UTAH

EXECUTED BY

*Larry V. Judd*  
*Cadastral Surveyor*

Under special instructions dated *June 17, 1996*, approved June 17, 1996, which provided for the surveys included under Group Number *847*, and assignment instructions dated *June 17, 1996*.

Survey commenced *June 18, 1996*  
Survey completed *June 26, 1996*

# INDEX DIAGRAM

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## TOWNSHIP 43 SOUTH, RANGE 16 WEST, SALT LAKE MERIDIAN, UTAH

**CHAINS**

The following field notes describe the dependent resurvey of a portion of the subdivisional lines, and the subdivision of sections 22 and 27, in Township 43 South, Range 16 West, Salt Lake Meridian, Utah.

**History of Surveys****Surveyed by****Retr. or Resurveyed by****SOUTH BOUNDARY**

All	Jenkins & West	1897		
All	H.B. Carpenter	1901		
All	(Utah-Arizona Bdy. Line)			
All			A.J. Stewart, Jr. & L.A. Snow	1909
Portion			C.P. Sylvester	1971-72

**EAST BOUNDARY**

Portion	J. Gorkinski	1870		
Portion	Jenkins & West	1897		
Portion			A.J. Stewart Jr. & L.A. Snow	1909
Portion			A. Nelson	1965
Portion			C.P. Sylvester	1973
Portion			R.K. Baugh	1982
Portion			J.L. Thomas	1983
Portion			R.A. Zaninovich	1985-86

**WEST BOUNDARY**

All	Jenkins & West	1897		
Portion			A.J. Stewart Jr. & L.A. Snow	1909
All			C.P. Sylvester	1971-72

**NORTH Boundary**

Portion	J. Gorkinski	1870		
Portion	Jenkins & West	1897		
All			M.H. Dalley	1900
All			A.J. Stewart, Jr. & L.A. Snow	1909
All			G.B. Hatch	1968
Portion			R.K. Baugh	1982

## TOWNSHIP 43 SOUTH, RANGE 16 WEST, SALT LAKE MERIDIAN, UTAH

## CHAINS

## SUBDIVISION

Portion	J. Gorlinski	1870		
All	Jenkins & West	1897	Jenkins & West	1897
Portion			A.J. Stewart Jr. &	1909
			L.A. Snow	
Portion			C.P. Sylvester	1971-72
Portion			R.K. Baugh	1982
Portion			J.L. Thomas	1983

The survey was executed in accordance with the specifications set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions for Group No. 847, Utah, dated June 17, 1996.

The directions of lines were determined by references to true meridians established on line by hour angle observations of the sun and Polaris. The lines were carried forward by sustained angulations, being supplemented by other observations taken throughout the progress of the survey. Distances were determined by electronic measurement.

Preliminary to the resurvey, the lines of the original survey were retraced and a diligent search was made for any evidence of the original field note record. The retracement data were thoroughly verified and only the true line notes are given herein.

The geographic position of the corner of sections 26, 27, 34 and 35, as determined by a tie made to the U.S. Coast and Geodetic Survey triangulation station "Jim" is as follows:

Latitude 37° 00' 31.23" N. Longitude 113° 37' 17.87" W.  
N.A.D. 1927

The mean magnetic declination as projected from the U.S. Geological Survey Magnetic Declination Map of 1990 is: 13 1/2° East.

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Dependent Resurvey of a Portion of the Subdivisional  
Lines, T. 43 S., R. 16 W., Salt Lake Meridian, Utah

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Reestablishment of the Survey Executed by Jenkins and West  
in 1897, and the Resurvey by C.P. Sylvester in 1971-72

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From the corner of sections 26, 27, 34 and 35, monumented with an iron post, 2 1/2 inches diameter, firmly set in a mound of stone, with the brass cap marked as described in the official record of the 1971-72 resurvey.

The corner falls at the corner of fences, projecting West and S. 45° E.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL  
LINES, T. 43 S., R. 16 W., SALT LAKE MERIDIAN, UTAH

CHAINS

From this corner;

U. S. Coast and Geodetic triangulation station "Jim", monumented with a standard disk, bears S. 2° 18.7' W., 46.661 chains distance.

Latitude 37° 00' 00.8081" N. Longitude 113° 37' 19.4010" W.

N. 0° 05.0' W., between sections 26 and 27.

**39.986** True point for the 1/4 section corner of sections 26 and 27, at record distance, from the witness 1/4 section corner of sections 26 and 27; not monumented.

**40.386** The witness 1/4 section corner of sections 26 and 27, monumented with an iron post, 2 1/2 inches diameter, firmly set, projecting 6 inches above ground, with a mound of stone 3 ft. base by 2 ft. high West of the corner, and with the brass cap marked as described in the official record of the 1971-72 resurvey.

N. 0° 05.4' W., beginning new measurement

**19.589** Point for the North 1/16 section corner of sections 26 and 27.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 20 inches in the ground, set in a mound of stone, 4 ft. base by 1 ft. high, with the aluminum cap marked:

T43S R16W  
N 1/16  
S27 | S26  
1996

The corner falls on a open moderate North-West slope.

**39.578** The corner of sections 22, 23, 26 and 27, monumented with an iron post, 2 1/2 inches diameter, firmly set, projecting 4 inches above ground, with a large mound of stone to the West, and with the brass cap marked as described in the official record of the 1971-72 resurvey.

N. 0° 04.5' W., between sections 22 and 23.

**19.993** Point for the South 1/16 section corner of sections 22 and 23; not monumented.

**39.986** True point for the 1/4 section corner of sections 22 and 23, at record distance from the witness 1/4 section corner of sections 22 and 23; not monumented.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL  
LINES, T. 43 S., R. 16 W., SALT LAKE MERIDIAN, UTAH

## CHAINS

42.986

The witness 1/4 section corner of sections 22 and 23, monumented with an iron post, 2 1/2 inches diameter, firmly set, projecting 6 inches above ground, with a steel fence post alongside, and with the brass cap marked as described in the official record of the 1971-72 resurvey.

The corner falls on flat ground on the North side of an old gravel pit.

From the corner of sections 22, 23, 26 and 27.

S. 89° 50.9' W., between sections 22 and 27.

13.755

Point selected for Angle Point No. 3.

Set a rebar, 16 inches long, drilled 12 inches into solid rock, set in concrete, with a 3 1/4 in. diameter, aluminum cap marked:

AP - 3  
S22  
S27  
1996

Raise a mound of stone, 3 ft. base by 2 ft. high, North of the corner.

The corner falls on a gradual northerly slope.

20.045

Point for the East 1/16 section corner of sections 22 and 27, monumented with a rebar, 5/8 in. diameter, with yellow plastic cap marked KEN HAMBLIN PLS 166295.

At the corner point.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 24 inches in the ground, with aluminum cap marked:

T43S R16W  
E 1/16 S22  
S27  
1996

Deposit the rebar inside the aluminum post.

Raise a mound of stone, 4 ft. base by 1 ft high, North of the corner.

40.090

The 1/4 section corner of sections 22 and 27, monumented with an iron post, 2 1/2 inches diameter, firmly set, projecting 8 inches above ground, with a mound of stone 3 ft. base by 2 ft. high North of the corner, and with the brass cap marked as described in the official record of the 1971-72 resurvey.

THE SUBDIVISION OF SECTION 22,  
T. 43 S., R. 16 W., SALT LAKE MERIDIAN, UTAH

## CHAINS

The Subdivision of Section 22,  
T. 43 S., R. 16 W., Salt Lake Meridian, Utah

Dependent Resurvey of the North - South Center Line of Section 22,  
T. 43 S., R. 16 W., Salt Lake Meridian, Utah

Reestablishment of the Survey Executed by C.P. Sylvester in 1971-72

From the 1/4 section corner of sections 22 and 27.

N. 0° 07.1' W., on the North - South center line of section 22.

20.004

Point for the center South 1/16 section corner of section 22, monumented with a rebar, 5/8 in. diameter, with yellow plastic cap marked KEN HAMBLIN PLS 166295, and a steel fence post alongside.

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 24 inches in the ground, with the aluminum cap marked:

T43S R16W  
C  
S 1 /16 | S22  
C  
1996

Deposit the rebar inside the aluminum post.

Raise a mound of stone, 2 ft. base by 2 ft. high, West of the corner.

The corner falls on flat sandy bench land.

40.008

Point for the center 1/4 section corner, at intersection with the East - West center line of section 22, monumented with a rebar, 5/8 in. diameter, with yellow plastic cap marked KEN HAMBLIN PLS 166295, and a steel fence post alongside.

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 24 inches in the ground, with the aluminum cap marked:

T43S R16W  
C 1/4 S22  
1996

THE SUBDIVISION OF SECTION 22,  
T. 43 S., R. 16 W., SALT LAKE MERIDIAN, UTAH

**CHAINS**

Deposit the rebar inside the aluminum post.

The corner falls in the bottom lands of the Virgin River in dense willow.

**48.853** The special meander corner of section 22, monumented with an iron post, 2 1/2 inches diameter, firmly set, 6 inches below ground, with the brass cap marked as described in the official record of the 1971-72 resurvey.

The corner falls in the bottom lands of the Virgin River in dense willow.

**74.810** Point for the witness special meander corner of section 22 at record distance, from the 1971-72 survey, falls within the Virgin River; no remaining evidence of the original corner was found.

**80.055** The 1/4 section corner of sections 15 and 22, monumented with an iron post, 2 1/2 inches diameter, firmly set, projecting 8 inches above ground, with the brass cap marked as described in the official record of the 1971-72 resurvey.

The corner falls 12 links distance, East of a leveled road area, and 12 links North of a drainage, 10 links wide, drains South-East.

Raise a mound of stone, 4 ft. base by 2 ft. high, West of the corner.

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The Subdivision of Section 22,  
T. 43 S., R. 16 W., Salt Lake Meridian, Utah

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From the true point for the 1/4 section corner of sections 22 and 23.

S. 89° 52.8' W., on the East - West center line of section 22.

**20.059** Point for the center East 1/16 section corner of section 22; not monumented.

**40.118** The center 1/4 section corner.

**80.225** The 1/4 section corner of sections 21 and 22, monumented with an iron post, 2 1/2 inches diameter, firmly set, projecting 8 inches above ground, with the brass cap marked and witnessed as described in the official record of the 1971-72 resurvey.

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From the East 1/16 section corner of sections 22 and 27.

N. 0° 05.8' W., on the North - South center line of the South-East 1/4 of section 22.

**5.861** Point selected for Angle Point No. 4.



THE SUBDIVISION OF SECTION 22,  
T. 43 S., R. 16 W., SALT LAKE MERIDIAN, UTAH

**CHAINS**

Set a rebar, 10 inches long, drilled 8 inches into solid rock, set in concrete, with a 3 1/4 in. diameter, aluminum cap marked:

AP - 4  
S22  
1996

Raise a mound of stone, 3 ft. base by 2 ft. high, West of the corner.

The corner falls on a level rocky slope.

**19.999** Point for the South-East 1/16 section corner, at intersection with the East - West center line of the South-East 1/4 of section 22.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 20 inches in the ground, set in a mound of stone, 4 ft. base to top of aluminum cap marked:

T43S R16W  
SE 1/16  
S22  
1996

**39.997** Point for the center East 1/16 section corner.

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From the point for the South 1/16 section corner of sections 22 and 23.

S. 89° 51.9' W., on the East - West center line of the South-East 1/4 of section 22.

**20.052** The South-East 1/16 section corner.

**34.249** Point selected for Angle Point No. 6.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 24 inches in the ground, with the aluminum cap marked:

AP - 6  
S22  
1996

The corner falls on a gradual North-West slope.

**40.104** The center South 1/16 section corner.

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THE SUBDIVISION OF SECTION 22,  
T. 43 S., R. 16 W., SALT LAKE MERIDIAN, UTAH

## CHAINS

From Angle Point No. 4, hereinbefore described

N.  $57^{\circ} 35.9'$  W., on a line through the South-West 1/4, South-East 1/4, of section 22.

**13.757** Point selected for Angle Point No. 5.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 24 inches in the ground, with the aluminum cap marked:

AP - 5  
S22  
1996

The corner falls on a gradual North-West slope.

N.  $21^{\circ} 09.6'$  W., beginning new measurement.

**7.219** Angle Point No. 6, hereinbefore described.

The Subdivision of Section 27,  
T. 43 S., R. 16 W., Salt Lake Meridian, Utah

From the 1/4 section corner of sections 27 and 34, monumented with an iron post, 2 1/2 inches diameter, firmly set, projecting 6 inches above ground, with a mound of stone 2 ft. base by 2 ft. high, North of the corner, and with the brass cap marked as described in the official record of the 1971-72 resurvey.

N.  $0^{\circ} 06.9'$  W., on the North - South center line of section 27.

**39.968** Point for the center 1/4 section corner, at intersection with the East - West center line.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 20 inches in the ground, set in a mound of stone 4 ft. base to top of the aluminum cap marked:

T43S R16W  
C 1/4 S27  
1996

The corner falls on a open gradual easterly slope.

**59.916** Point for the center North 1/16 section corner.

THE SUBDIVISION OF SECTION 27,  
T. 43 S., R. 16 W., SALT LAKE MERIDIAN, UTAH

CHAINS

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 24 inches in the ground, with the aluminum cap marked:

T43S R16W  
C  
N 1/16 | S27  
C  
1996

The corner falls on a steep southerly shale slope.

**79.864** The 1/4 section corner of sections 22 and 27.

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From the true point for the 1/4 section corner of sections 26 and 27.

S. 89°57.8' W., on the East - West center line of section 27.

**20.038** Point for the center East 1/16 section corner of section 27.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 24 inches in the ground, with the aluminum cap marked:

T43S R16W  
C — E 1/16 — C  
S27  
1996

Raise a mound of stone, 2 ft. base by 2 ft. high, North of the corner.

**40.076** The center 1/4 section corner.

**80.158** The 1/4 section corner of sections 27 and 28, monumented with an iron post, 2 1/2 inches diameter, firmly set, projecting 8 inches above ground, with a mound of stone, 4 ft. base by 4 ft. high, West of the corner, with the brass cap marked as described in the official record of the 1971-72 resurvey.

The corner falls on a steep westerly slope.

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From the center East 1/16 section corner of section 27.

N. 0° 06.1' W., on the North - South center line of the North-East 1/4.

**19.969** Point for the North-East 1/16 section corner, at intersection with the East - West center line of the North-East 1/4 of section 27.

THE SUBDIVISION OF SECTION 27,  
T. 43 S., R. 16 W., SALT LAKE MERIDIAN, UTAH

**CHAINS**

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 24 inches in the ground, with the aluminum cap marked:

T43S R16W  
NE 1/16  
S27  
1996

Raise a mound of stone, 3 ft. base by 1 ft. high, West of the corner.

The corner falls on a moderate open easterly slope.

**39.937** The East 1/16 section corner of section 22 and 27.

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From the North 1/16 section corner of sections 26 and 27.

S. 89° 54.3' W., on the East - West center line of the North-East 1/4 of section 27.

**5.873** Point selected for Angle Point No. 1.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 16 inches in the ground to bedrock, set in a mound of stone, 5 ft. base to top of the aluminum cap marked:

AP - 1

S27

1996

The corner falls on top of an open rocky ridge.

**20.042** The North-East 1/16 section corner.

**40.084** The center North 1/16 section corner.

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From Angle Point No. 1, hereinbefore described.

N. 10° 35.0' W., on a line through the North-East 1/4, North-East 1/4, of section 27.

**15.852** Point selected for Angle Point No. 2.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 8 inches in the ground, set in a mound of stone, 5 ft. base to top of the aluminum cap marked:

THE SUBDIVISION OF SECTION 27,  
T. 43 S., R. 16 W., SALT LAKE MERIDIAN, UTAH

CHAINS

AP - 2

S27

1996

The corner falls on top of an open rocky ridge, on a gradual North-East slope.

N. 48° 47.6' W., beginning new measurement.

**6.649** Angle Point No. 3, hereinbefore described.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**FIELD ASSISTANTS**

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Name	Capacity
Steve Oatman	Survey Aid

**OFFICE ASSISTANTS**

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Name	Capacity
David B. Cook	Cartographic Technician
Ruby E. Sugiyama	Surveying Technician

## CERTIFICATE OF SURVEY

I, *Larry V. Judd, Cadastral Surveyor*, hereby certify upon honor that, in pursuance of special instructions bearing the date of the *17th day of June, 1996*, I have *dependently resurveyed a portion of the subdivisional lines and subdivided sections 22 and 27, in Township 43 South, Range 16 West*,

of the *Salt Lake* Meridian, in the State of *Utah*, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said special instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in specific manner described in the foregoing field notes.

6/19/98

Date

*Larry V. Judd*

(Cadastral Surveyor)

\_\_\_\_\_  
Date

\_\_\_\_\_  
(Cadastral Surveyor)

## CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT  
Salt Lake City, Utah

The foregoing field notes of the *dependent resurvey of a portion of the subdivisional lines and the subdivision of sections 22 and 27, in Township 43 South, Range 16 West, Salt Lake Meridian, Utah*,

executed by *Larry V. Judd, Cadastral Surveyor*

having been critically examined and found correct, are hereby approved.

June 25, 1998

Date

*Daniel W. Wells*

(Chief Cadastral Surveyor for Utah)